

What is claimed is:

- 1 1. An apparatus for filtering packets sent from a  
2 first network to a second network, comprising:  
3 an input means coupled to said first network for  
4 receiving data packets from the first network, said data  
5 packets having an origination address;  
6 a first buffer coupled to said input means for  
7 storing said received packet;  
8 a first memory segment containing a list of  
9 origination addresses;  
10 a second memory segment for storing a program for  
11 comparing origination addresses for said received data  
12 packets with said list;  
13 a processor coupled to said first buffer, said  
14 first memory segment and said second memory segment for  
15 executing said program; and  
16 an output means coupled to said first buffer for  
17 forwarding said compared data packets to the second  
18 network based on said comparison.
- 1 2. The apparatus of claim 1, further comprising a  
2 second buffer for storing said compared data packets  
3 prior to forwarding said compared data packets to the  
4 second network.
- 1 3. The apparatus of claim 2, wherein said random  
2 access memory comprises dynamic random access memory.
- 1 4. The apparatus of claim 3, further comprising a non-  
2 volatile random access memory for storing parameters  
3 used by said operating system program.
- 1 5. The apparatus of claim 4, further comprising means  
2 for receiving an updated list of origination addresses.

1 6. The apparatus of claim 5, wherein said means for  
2 receiving comprises an asynchronous terminal device and  
3 a serial port coupled to said dynamic random access  
4 memory.

1 7. The apparatus of claim 5, wherein said means for  
2 receiving comprises a network interface card coupled to  
3 said dynamic random access memory.

1 8. The apparatus of claim 1, wherein said first  
2 network is a fixed wireless network, and said input  
3 means comprises means for receiving said data packets  
4 from said fixed wireless network.

1 9. The appartus of claim 1, wherein said output means  
2 comprises means for forwarding data packets to a single  
3 end user terminal.

1 10. The apparatus of claim 1, wherein said second  
2 network is a local area network, and said output means  
3 comprises means for forwarding data packets to a said  
4 local area network.

1 11. An apparatus for filtering packets sent from a  
2 first network to a device, comprising:  
3       an input means coupled to said first network for  
4 receiving data packets from the first network, said data  
5 packets having an origination address;  
6       a first buffer coupled to said input means for  
7 storing said received packet;  
8       a first memory segment containing a list of  
9 origination addresses;  
10       a second memory segment for storing a program for  
11 comparing origination addresses for said received data  
12 packets with said list;  
13       a processor coupled to said first buffer, said  
14 first memory segment and said second memory segment for  
15 executing said program; and  
16       an output means coupled to said first buffer for  
17 forwarding said compared data packets to the device  
18 based on said comparison.